

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P1035124

Luminaire Tested: S125DIW-B1270D1340UB30-4F0-XX-W2A-D

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1035124
REPORT IS A COMBINATION OF REPORTS P1003148 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DIW-B1270D1340UB30-4F0-XX-W2A-D
Description: Define 5 Direct/Indirect Wall Mount with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

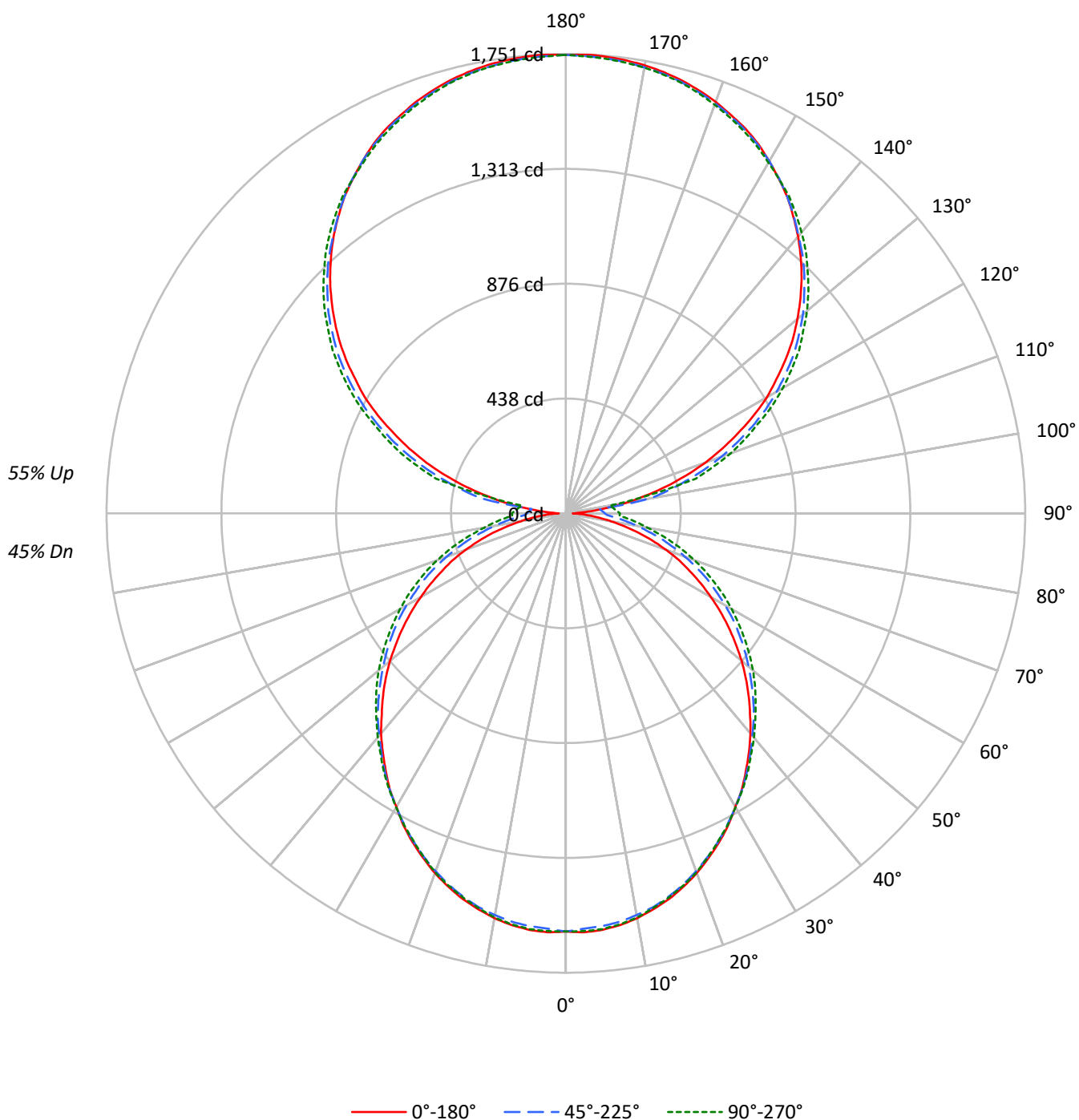
Lumens per Lamp: N/A
Luminaire Lumens: 10307.0 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 103.4
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	106	106	106	106	97	97	97	97	81	81	81		65	65	65		52
1	96	91	87	84	88	84	80	77	70	67	65		57	55	53		44
2	87	79	73	68	79	73	67	63	61	57	53		49	46	44		39
3	79	70	62	56	72	64	57	52	53	48	44		43	40	37		34
4	72	61	53	47	66	56	49	44	47	42	38		38	34	31		30
5	66	55	46	40	60	50	43	38	42	36	32		34	30	27		27
6	61	49	41	35	56	45	38	32	38	32	28		31	27	24		25
7	56	44	36	30	51	41	33	28	34	29	25		28	24	21		23
8	52	40	32	27	48	37	30	25	31	26	22		26	22	18		21
9	49	36	29	24	44	34	27	22	28	23	19		24	19	16		19
10	45	33	26	21	42	31	24	20	26	21	17		22	18	15		18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10211	10211	10211
5°	10228	9997	10021
10°	10151	9793	9765
15°	10027	9556	9450
20°	9860	9269	9137
25°	9663	8965	8759
30°	9423	8632	8414
35°	9200	8326	8097
40°	8973	8003	7777
45°	8715	7723	7490
50°	8469	7419	7230
55°	8173	7129	6929
60°	7848	6799	6620
65°	7510	6451	6273
70°	7120	5985	5910
75°	6510	5524	5469
80°	5707	4966	4980
85°	4911	4519	4723

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8715 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.8	1.5
10°-20°	428.1	4.2
20°-30°	636.6	6.2
30°-40°	754.0	7.3
40°-50°	779.5	7.6
50°-60°	718.0	7.0
60°-70°	580.5	5.6
70°-80°	388.4	3.8
80°-90°	203.3	2.0
90°-100°	172.4	1.7
100°-110°	477.7	4.6
110°-120°	766.0	7.4
120°-130°	943.1	9.2
130°-140°	994.2	9.6
140°-150°	922.9	9.0
150°-160°	744.3	7.2
160°-170°	481.3	4.7
170°-180°	166.0	1.6
0°-30°	1215.5	11.8
0°-40°	1969.5	19.1
0°-60°	3467.0	33.6
0°-90°	4639.2	45.0
90°-120°	1416.0	13.7
90°-150°	4276.2	41.5
90°-180°	5668.0	55.0
0°-180°	10307.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1594	1594	1594	1594	1594	
5°	1594	1591	1580	1592	1591	151
15°	1522	1523	1512	1522	1516	429
25°	1383	1388	1378	1384	1376	637
35°	1197	1208	1203	1208	1208	749
45°	986	1003	1011	1022	1023	761
55°	758	783	808	825	831	677
65°	522	558	595	619	625	518
75°	288	328	378	409	417	305
85°	86	138	192	227	239	90
90°	26	87	149	191	206	21
95°	94	131	135	176	187	106
105°	395	425	472	503	513	418
115°	724	742	784	807	808	718
125°	1023	1031	1062	1082	1086	914
135°	1271	1277	1286	1304	1304	980
145°	1472	1473	1473	1482	1480	920
155°	1619	1611	1614	1618	1607	746
165°	1708	1701	1702	1710	1699	483
175°	1747	1740	1741	1751	1740	166
180°	1747	1747	1747	1747	1747	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1593.7	1593.7	1593.7	1593.7	1593.7
2.5°	1598.4	1595.3	1584.3	1595.3	1593.7
5°	1593.7	1590.6	1579.6	1592.1	1590.6
7.5°	1582.8	1581.2	1570.3	1581.2	1579.6
10°	1567.1	1567.1	1554.6	1565.6	1564.0
12.5°	1545.3	1546.8	1537.5	1545.3	1540.6
15°	1521.8	1523.4	1512.5	1521.8	1515.6
17.5°	1492.1	1495.3	1484.3	1492.1	1487.5
20°	1459.3	1462.5	1451.5	1456.2	1456.2
22.5°	1421.8	1428.1	1415.6	1421.8	1417.1
25°	1382.8	1387.5	1378.1	1384.3	1376.5
27.5°	1340.6	1346.8	1335.9	1340.6	1337.5
30°	1292.1	1301.5	1292.1	1295.3	1293.7
32.5°	1248.4	1256.2	1250.0	1253.1	1251.5
35°	1196.8	1207.8	1203.1	1207.8	1207.8
37.5°	1146.8	1156.2	1154.7	1160.9	1159.3
40°	1095.3	1107.8	1106.2	1112.5	1115.6
42.5°	1039.0	1056.2	1060.9	1068.7	1068.7
45°	985.9	1003.1	1010.9	1021.8	1023.4
47.5°	931.2	946.8	959.3	975.0	978.1
50°	875.0	892.2	909.3	926.5	931.2
52.5°	815.6	837.5	859.3	878.1	881.2
55°	757.8	782.8	807.8	825.0	831.2
57.5°	698.4	728.1	756.2	775.0	779.7
60°	639.0	670.3	701.5	725.0	729.7
62.5°	581.2	612.5	646.9	673.4	679.7
65°	521.9	557.8	595.3	618.7	625.0
67.5°	467.2	501.5	539.0	567.2	575.0
70°	406.2	442.2	482.8	512.5	521.9
72.5°	346.9	384.4	429.7	462.5	468.7
75°	287.5	328.1	378.1	409.4	417.2
77.5°	229.7	276.6	323.4	357.8	364.1
80°	176.6	223.4	276.6	310.9	317.2
82.5°	128.1	178.1	232.8	265.6	278.1
85°	85.9	137.5	192.2	226.6	239.1
87.5°	54.7	104.7	157.8	193.7	204.7
90°	26.3	86.7	148.8	191.3	206.1
92.5°	46.5	80.2	142.6	183.4	195.7
95°	94.1	130.8	134.8	175.6	186.6
97.5°	157.3	202.6	131.1	166.5	178.8
100°	233.5	270.2	325.4	165.2	169.4
102.5°	310.9	345.8	396.8	430.7	331.3
105°	394.9	425.1	471.9	503.2	512.8
107.5°	481.4	503.3	551.2	583.7	587.9
110°	565.3	584.1	630.4	656.2	668.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	645.6	663.6	707.1	730.0	738.3
115°	724.4	741.8	783.7	806.7	808.2
117.5°	807.0	814.8	859.1	877.8	886.2
120°	884.7	888.1	927.9	951.9	954.8
122.5°	951.7	959.8	995.5	1017.9	1019.6
125°	1023.0	1030.6	1061.8	1081.6	1085.5
127.5°	1090.1	1095.0	1120.3	1141.1	1140.2
130°	1152.3	1157.2	1180.4	1198.4	1199.7
132.5°	1212.9	1220.7	1232.4	1254.3	1254.1
135°	1271.2	1277.4	1285.8	1303.5	1303.5
137.5°	1325.6	1331.8	1335.5	1354.3	1354.0
140°	1377.2	1379.8	1380.0	1399.8	1398.3
142.5°	1425.1	1424.8	1427.4	1441.5	1439.9
145°	1471.7	1472.7	1472.7	1481.8	1480.3
147.5°	1511.6	1511.6	1512.9	1517.3	1511.3
150°	1550.4	1547.9	1550.4	1553.0	1544.3
152.5°	1588.0	1581.5	1584.1	1586.7	1577.6
155°	1619.1	1611.3	1613.9	1617.8	1607.4
157.5°	1643.7	1639.8	1639.8	1643.7	1633.3
160°	1669.6	1661.8	1663.1	1668.3	1657.9
162.5°	1690.3	1682.6	1683.9	1691.6	1680.0
165°	1708.5	1700.7	1702.0	1709.8	1699.4
167.5°	1722.7	1714.9	1716.2	1725.3	1713.6
170°	1734.4	1725.3	1726.6	1737.0	1725.3
172.5°	1742.1	1733.1	1735.7	1744.7	1733.1
175°	1747.3	1739.6	1740.8	1751.2	1739.6
177.5°	1751.2	1743.4	1744.7	1753.8	1743.4
180°	1747.3	1747.3	1747.3	1747.3	1747.3

(END OF REPORT)